Title (en)
METHOD OF COOLING HOT FORGED PART, APPARATUS THEREFOR, AND PROCESS FOR PRODUCING HOT FORGED PART

Title (de)
VERFAHREN ZUM ABKÜHLEN EINES WARMGESCHMIEDETEN TEILS, VORRICHTUNG DAFÜR UND VERFAHREN ZUR HERSTELLUNG EINES WARMGESCHMIEDETEN TEILS

Title (fr)
PROCÉDÉ DE REFROIDISSEMENT D'UN ÉLÉMENT FORGÉ À CHAUD, APPAREIL POUR CELUI-CI, ET PROCÉDÉ POUR FABRIQUER UN ÉLÉMENT FORGÉ À CHAUD

Publication
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Application
EP 07860537 A 20071221

Priority
• JP 2007075340 W 20071221
• JP 2006356393 A 20061228

Abstract (en)
A hot forged part is provided, wherein in production of a axial part with a flange portion by using a steel material through hot forging, good cold workability is provided to the flange portion and, in addition, high fatigue strength is provided to the boundary portion between the flange portion and the axial portion. In cooling of the hot forged part having the flange portion and the axial portion, the hot forged part is supported in such a way that the axial direction of the above-described axial portion agrees with a vertical direction during hot forging of the hot forged part or after the hot forging, and a coolant is blown locally on the boundary portion between the flange portion and the axial portion from below the above-described flange portion.

IPC 8 full level
C21D 9/00 (2006.01); **B21K 1/12** (2006.01); **B21K 1/40** (2006.01); **B21K 29/00** (2006.01); **C21D 1/00** (2006.01); **F16C 33/64** (2006.01)

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